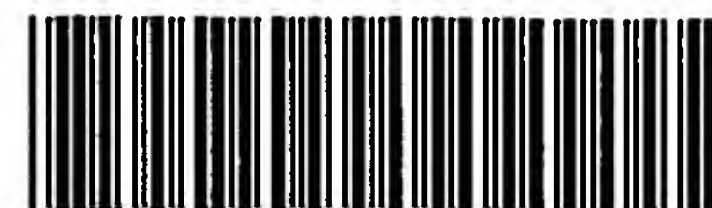


RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: 10/582,292
Source: JFWP
Date Processed by STIC: 06/19/2006

ENTERED



IFWP

RAW SEQUENCE LISTING

DATE: 06/19/2006

PATENT APPLICATION: US/10/582,292

TIME: 12:19:48

Input Set : E:\211080037P1.SEQ.TXT

Output Set: N:\CRF4\06192006\J582292.raw

4 <110> APPLICANT: University of Rochester
 6 Chang, Chawnshang
 8 <120> TITLE OF INVENTION: Non-androgen Dependent Roles for
 9 Androgen Receptor and Non-androgen Related Inhibitors of
 10 Androgen Receptor
 12 <130> FILE REFERENCE: 21108.0037P1
 C--> 14 <140> CURRENT APPLICATION NUMBER: US/10/582,292
 C--> 15 <141> CURRENT FILING DATE: 2006-06-12
 17 <150> PRIOR APPLICATION NUMBER: 60/529,011
 18 <151> PRIOR FILING DATE: 2003-12-12
 20 <160> NUMBER OF SEQ ID NOS: 23
 22 <170> SOFTWARE: FastSEQ for Windows Version 4.0
 24 <210> SEQ ID NO: 1
 25 <211> LENGTH: 585
 26 <212> TYPE: PRT
 27 <213> ORGANISM: Artificial Sequence
 29 <220> FEATURE:
 30 <223> OTHER INFORMATION: Description of Artificial Sequence:/note =
 31 synthetic construct
 33 <400> SEQUENCE: 1
 34 Met Ala Ala Val Glu Leu Glu Trp Ile Pro Glu Thr Leu Tyr Asn Thr
 35 1 5 10 15
 36 Ala Ile Ser Ala Val Val Asp Asn Tyr Ile Arg Ser Arg Arg Asp Ile
 37 20 25 30
 38 Arg Ser Leu Pro Glu Asn Ile Gln Phe Asp Val Tyr Tyr Lys Leu Tyr
 39 35 40 45
 40 Gln Gln Gly Arg Leu Cys Gln Leu Gly Ser Glu Phe Cys Glu Leu Glu
 41 50 55 60
 42 Val Phe Ala Lys Val Leu Arg Ala Leu Asp Lys Arg His Leu Leu His
 43 65 70 75 80
 44 His Cys Phe Gln Ala Leu Met Asp His Gly Val Lys Val Ala Ser Val
 45 85 90 95
 46 Leu Ala Tyr Ser Phe Ser Arg Arg Cys Ser Tyr Ile Ala Glu Ser Asp
 47 100 105 110
 48 Ala Ala Val Lys Glu Lys Ala Ile Gln Val Gly Phe Val Leu Gly Gly
 49 115 120 125
 50 Phe Leu Ser Asp Ala Gly Trp Tyr Ser Asp Ala Glu Lys Val Phe Leu
 51 130 135 140
 52 Ser Cys Leu Gln Leu Cys Thr Leu His Asp Glu Met Leu His Trp Phe
 53 145 150 155 160
 54 Arg Ala Val Glu Cys Cys Val Arg Leu Leu His Val Arg Asn Gly Asn
 55 165 170 175
 56 Cys Lys Tyr His Leu Gly Glu Glu Thr Phe Lys Leu Ala Gln Thr Tyr

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/582,292

DATE: 06/19/2006

TIME: 12:19:48

Input Set : E:\211080037P1.SEQ.TXT

Output Set: N:\CRF4\06192006\J582292.raw

57		180		185		190										
58	Met	Asp	Lys	Leu	Ser	Lys	His	Gly	Gln	Gln	Ala	Asn	Lys	Ala	Ala	Leu
59			195					200					205			
60	Tyr	Gly	Glu	Leu	Cys	Ala	Leu	Leu	Phe	Ala	Lys	Ser	His	Tyr	Asp	Glu
61		210					215					220				
62	Ala	Tyr	Lys	Trp	Cys	Ile	Glu	Ala	Met	Lys	Glu	Ile	Thr	Ala	Gly	Leu
63	225					230					235					240
64	Pro	Val	Lys	Val	Val	Val	Asp	Val	Leu	Arg	Gln	Ala	Ser	Lys	Ala	Cys
65				245						250					255	
66	Val	Val	Lys	Arg	Glu	Phe	Lys	Lys	Ala	Glu	Gln	Leu	Ile	Lys	His	Ala
67			260					265					270			
68	Val	Tyr	Leu	Ala	Arg	Asp	His	Phe	Gly	Ser	Lys	His	Pro	Lys	Tyr	Ser
69			275					280					285			
70	Asp	Thr	Leu	Leu	Asp	Tyr	Gly	Phe	Tyr	Leu	Leu	Asn	Val	Asp	Asn	Ile
71		290					295					300				
72	Cys	Gln	Ser	Val	Ala	Ile	Tyr	Gln	Ala	Ala	Leu	Asp	Ile	Arg	Gln	Ser
73	305					310					315					320
74	Val	Phe	Gly	Gly	Lys	Asn	Ile	His	Val	Ala	Thr	Ala	His	Glu	Asp	Leu
75				325						330					335	
76	Ala	Tyr	Ser	Ser	Tyr	Val	His	Gln	Tyr	Ser	Ser	Gly	Lys	Phe	Asp	Asn
77			340					345					350			
78	Ala	Leu	Phe	His	Ala	Glu	Arg	Ala	Ile	Gly	Ile	Ile	Thr	His	Ile	Leu
79			355					360					365			
80	Pro	Glu	Asp	His	Leu	Leu	Leu	Ala	Ser	Ser	Lys	Arg	Val	Lys	Ala	Leu
81		370					375					380				
82	Ile	Leu	Glu	Glu	Ile	Ala	Ile	Asp	Cys	His	Asn	Lys	Glu	Thr	Glu	Gln
83	385					390					395					400
84	Arg	Leu	Leu	Gln	Glu	Ala	His	Asp	Leu	His	Leu	Ser	Ser	Leu	Gln	Leu
85				405						410					415	
86	Ala	Lys	Lys	Ala	Phe	Gly	Glu	Phe	Asn	Val	Gln	Thr	Ala	Lys	His	Tyr
87			420					425					430			
88	Gly	Asn	Leu	Gly	Arg	Leu	Tyr	Gln	Ser	Met	Arg	Lys	Phe	Lys	Glu	Ala
89		435					440					445				
90	Glu	Glu	Met	His	Ile	Lys	Ala	Ile	Gln	Ile	Lys	Glu	Gln	Leu	Leu	Gly
91		450					455					460				
92	Gln	Glu	Asp	Tyr	Glu	Val	Ala	Leu	Ser	Val	Gly	His	Leu	Ala	Ser	Leu
93	465					470					475					480
94	Tyr	Asn	Tyr	Asp	Met	Asn	Gln	Tyr	Glu	Asn	Ala	Glu	Lys	Leu	Tyr	Leu
95				485						490					495	
96	Arg	Ser	Ile	Ala	Ile	Gly	Lys	Lys	Leu	Phe	Gly	Glu	Gly	Tyr	Ser	Gly
97			500					505					510			
98	Leu	Glu	Tyr	Asp	Tyr	Arg	Gly	Leu	Ile	Lys	Leu	Tyr	Asn	Ser	Ile	Gly
99			515					520					525			
100	Asn	Tyr	Glu	Lys	Val	Phe	Glu	Tyr	His	Asn	Val	Leu	Ser	Asn	Trp	Asn
101		530					535					540				
102	Arg	Leu	Arg	Asp	Arg	Gln	Tyr	Ser	Val	Thr	Asp	Ala	Leu	Glu	Asp	Val
103	545					550					555					560
104	Ser	Thr	Ser	Pro	Gln	Ser	Thr	Glu	Glu	Val	Gln	Ser	Phe	Leu	Ile	
105				565						570				575		

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/582,292

DATE: 06/19/2006

TIME: 12:19:48

Input Set : E:\211080037P1.SEQ.TXT

Output Set: N:\CRF4\06192006\J582292.raw

106 Ser Gln Asn Val Glu Gly Pro Ser Cys

107 580 585

109 <210> SEQ ID NO: 2

110 <211> LENGTH: 1758

111 <212> TYPE: DNA

112 <213> ORGANISM: Artificial Sequence

114 <220> FEATURE:

115 <223> OTHER INFORMATION: Description of Artificial Sequence:/note =
116 synthetic construct

118 <400> SEQUENCE: 2

```

119 atggcgggccg tggaactaga gtggatccca gagactctct ataacaccgc catctccgct      60
120 gtcgtggaca actacatccg ctcccgccga gacatccgct ccttgcccga gaacatccag      120
121 tttgatgttt actacaagct ttaccaacag ggacgcttat gtcaactggg cagtgaattt      180
122 tgtgaattgg aagtttttgc taaagtactg agagctttgg ataaaagaca ttgcttcat      240
123 cattgttttc aggctttgat ggatcatggt gttaaagttg cttcagtctt ggcctactca      300
124 ttcagtaggc ggtgctctta tatagcagaa tcagatgctg cagtaaagga aaaagccatt      360
125 caggttggct ttgttttagg tggctttctt tcagatgcag gctggtacag tgatgctgag      420
126 aaagtttttc tgcctgcct tcagttgtgt actctacacg atgagatgct tcattggttt      480
127 cgtgcagtag aatgttggtg gaggttgctt catgtgcgaa atggaaactg caaatatcat      540
128 ttgggtgaag aaacatttaa attagctcag acatatatgg ataaactatc aaaacatggc      600
129 cagcaagcaa ataaagctgc actctatgga gaactgtgtg cactcctatt tgcaaaaagt      660
130 cactatgatg aggcatacaa atggtgcatc gaggcaatga aagaaattac agcaggctta      720
131 ccagtgaag ttgtggtgga tgtcttaaga caagcttcta aggcttgtgt agtaaaacgt      780
132 gaatttaaga aggcagaaca gttaattaaa catgcagtgt atttggcacg ggatcatttt      840
133 ggatccaaac acccaaaata ttctgataca ctgctagatt atgggttcta cttactcaat      900
134 gtagataata tctgtcagtc tgttgcaatt tatcaggcag cccttgacat tagacagtca      960
135 gtgtttggtg gcaaaaatat ccacgtagca acagctcatg aagatttggc ctactcttct     1020
136 tatgtccacc agtatagctc tgggaaattt gacaatgcac tatttcatgc agaaagagct     1080
137 attggtatca ttaccacat cctacctgaa gatcatcttc ttttggcttc ttcaaagagg     1140
138 gtgaaagcac ttattttaga ggagattgca attgattgtc ataataagga aactgaacag     1200
139 aggctgcttc aagaagctca tgatttgcac ctgtcttcac tccaactagc taaaaaagct     1260
140 tttggggaat ttaatgtaca gactgcaaaa cactatggaa accttggaag actttatcag     1320
141 tcaatgagaa aatttaagga agctgaagaa atgcacatca aagcaattca gattaaagaa     1380
142 caacttcttg gtcaagaaga ttatgaagta gccctttcag tgggacatct ggcttcttta     1440
143 tataattatg acatgaatca gtatgaaaat gctgagaaac tttatttgcg atctatagca     1500
144 attgggaaga aacttttttg tgagggttac agtggactag aatatgatta tcgaggcttc     1560
145 attaaacttt acaactccat tggaaattac gagaaagtgt ttgaatatca caatgttctg     1620
146 tctaactgga accggttgcg agatcggcaa tattcagtga cagatgctct tgaagatgtc     1680
147 agcaccagcc ccagtcacac tgaagaagtg gtgcagtcct tcctgatttc tcagaatgtc     1740
148 gagggaccga gctgctga
149
150 <210> SEQ ID NO: 3
151 <211> LENGTH: 919
152 <212> TYPE: PRT
153 <213> ORGANISM: Artificial Sequence
155 <220> FEATURE:
156 <223> OTHER INFORMATION: Description of Artificial Sequence:/note =
157 synthetic construct
159 <400> SEQUENCE: 3
160 Met Glu Val Gln Leu Gly Leu Gly Arg Val Tyr Pro Arg Pro Pro Ser

```

DATE: 06/19/2006

TIME: 12:19:48

Output Set: N:\CRF4\06192006\J582292.raw

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/582,292

DATE: 06/19/2006

TIME: 12:19:48

Input Set : E:\211080037P1.SEQ.TXT

Output Set: N:\CRF4\06192006\J582292.raw

```

210 Ala Ala Gln Cys Arg Tyr Gly Asp Leu Ala Ser Leu His Gly Ala Gly
211          405          410          415
212 Ala Ala Gly Pro Gly Ser Gly Ser Pro Ser Ala Ala Ala Ser Ser Ser
213          420          425          430
214 Trp His Thr Leu Phe Thr Ala Glu Glu Gly Gln Leu Tyr Gly Pro Cys
215          435          440          445
216 Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly
217          450          455          460
218 Gly Gly Gly Gly Gly Gly Gly Gly Gly Glu Ala Gly Ala Val Ala Pro Tyr
219 465          470          475          480
220 Gly Tyr Thr Arg Pro Pro Gln Gly Leu Ala Gly Gln Glu Ser Asp Phe
221          485          490          495
222 Thr Ala Pro Asp Val Trp Tyr Pro Gly Gly Met Val Ser Arg Val Pro
223          500          505          510
224 Tyr Pro Ser Pro Thr Cys Val Lys Ser Glu Met Gly Pro Trp Met Asp
225          515          520          525
226 Ser Tyr Ser Gly Pro Tyr Gly Asp Met Arg Leu Glu Thr Ala Arg Asp
227          530          535          540
228 His Val Leu Pro Ile Asp Tyr Tyr Phe Pro Pro Gln Lys Thr Cys Leu
229 545          550          555          560
230 Ile Cys Gly Asp Glu Ala Ser Gly Cys His Tyr Gly Ala Leu Thr Cys
231          565          570          575
232 Gly Ser Cys Lys Val Phe Phe Lys Arg Ala Ala Glu Gly Lys Gln Lys
233          580          585          590
234 Tyr Leu Cys Ala Ser Arg Asn Asp Cys Thr Ile Asp Lys Phe Arg Arg
235          595          600          605
236 Lys Asn Cys Pro Ser Cys Arg Leu Arg Lys Cys Tyr Glu Ala Gly Met
237          610          615          620
238 Thr Leu Gly Ala Arg Lys Leu Lys Lys Leu Gly Asn Leu Lys Leu Gln
239 625          630          635          640
240 Glu Glu Gly Glu Ala Ser Ser Thr Thr Ser Pro Thr Glu Glu Thr Thr
241          645          650          655
242 Gln Lys Leu Thr Val Ser His Ile Glu Gly Tyr Glu Cys Gln Pro Ile
243          660          665          670
244 Phe Leu Asn Val Leu Glu Ala Ile Glu Pro Gly Val Val Cys Ala Gly
245          675          680          685
246 His Asp Asn Asn Gln Pro Asp Ser Phe Ala Ala Leu Leu Ser Ser Leu
247          690          695          700
248 Asn Glu Leu Gly Glu Arg Gln Leu Val His Val Val Lys Trp Ala Lys
249 705          710          715          720
250 Ala Leu Pro Gly Phe Arg Asn Leu His Val Asp Asp Gln Met Ala Val
251          725          730          735
252 Ile Gln Tyr Ser Trp Met Gly Leu Met Val Phe Ala Met Gly Trp Arg
253          740          745          750
254 Ser Phe Thr Asn Val Asn Ser Arg Met Leu Tyr Phe Ala Pro Asp Leu
255          755          760          765
256 Val Phe Asn Glu Tyr Arg Met His Lys Ser Arg Met Tyr Ser Gln Cys
257          770          775          780
258 Val Arg Met Arg His Leu Ser Gln Glu Phe Gly Trp Leu Gln Ile Thr

```

VERIFICATION SUMMARY

DATE: 06/19/2006

PATENT APPLICATION: US/10/582,292

TIME: 12:19:49

Input Set : E:\211080037P1.SEQ.TXT

Output Set: N:\CRF4\06192006\J582292.raw

L:14 M:270 C: Current Application Number differs, Replaced Current Application Number

L:15 M:271 C: Current Filing Date differs, Replaced Current Filing Date